



## **Signature Sports Flooring Installation Instructions For SignaDeck Premium Rubber Tiles**

*These instructions supersede any verbal or written instructions from Signature Sports Flooring representatives and must be followed in order for the warranty to be in effect.*

### **GENERAL AND DELIVERY**

- A. The Product is intended for installations in interior locations only.
- B. The Product must be installed by an installer with a minimum of five years of proven experience in performing work similar to that required for the Product. Acceptable certifications include The International Standards and Training Alliance (INSTALL), The International Certified Floorcovering Installers Association (CFI), and Flooring American University. Without specific prior experience with this specialized product, a Signature Sports Flooring expert may be needed on site to consult on the installation. Please inquire for more information.
- C. Order materials in compliance with product supplier's ordering and lead time requirements, in order to take delivery at least 48 hours in advance of installation to allow materials to acclimate to job site conditions.
- D. Accept delivery of materials only if they are in unopened, undamaged packaging that bears the name and brand of the manufacturer or supplier, project identification, and shipping and handling instructions.

### **STORAGE**

- A. Store material –floor covering, adhesive, and maintenance products if ordered – in original packaging in areas that are enclosed and weather tight with the permanent HVAC system set at a temperature between 65°F and 75°F. The relative humidity in the storage area cannot exceed 65%.
- B. If material is flattened or distorted during storage or transporting, do not attempt to install it.
- C. If you need to store SignaDeck Premium for an extended time, do not stack more than two pallets high.



## MATERIALS AND ACCESSORIES REQUIRED

- A. Flooring: Signature Sports Flooring SignaDeck Premium Square Tiles
- B. Tools: Sharp utility knife and extra blades, carpenter's square and straight edge for custom cuts, measuring tape, chalk line for layout, markers to indicate cut measures, rubber gloves, safety glasses, 1/16" U-notched trowel
- C. Adhesive:
  - 1. Maipei G21 2 part Epoxy
  - 2. 2 gallon pail coverage: \*250-370 SF

\*The final determination of trowel size and coverage will be determined by the substrate porosity and is the responsibility of the flooring installer.

## SUBSTRATE PREPARATION

- A. All substrates
  - 1. The substrate must be sound, clean, permanently dry, perfectly smooth, and free of cracks and contaminants, including paint, old adhesive, curing compounds, oil, grease, wax, asphalt, or other contaminants that could negatively affect the performance of the adhesive.
  - 2. Floor laying work shall not begin until the installer has assessed and approved the substrate and subfloor conditions.
- B. Concrete substrates and subfloors
  - 1. Concrete floors must cure for a minimum of 6 weeks before installation.
  - 2. In the case of an existing floor, make sure it does not produce dust, in which case the surface must be compacted and treated with a resin-based waster solution.
  - 3. Ensure that the general contractor has tested the concrete subfloor using the Calcium Chloride test (ASTM F1869) and Relative Humidity test (ASTM F2170). No other test methods are acceptable. The General Contractor and installer shall both keep records of all tests on file.
  - 4. Test procedures shall be followed exactly in order for test results to be valid. (Building shall be at in service temperature and humidity, concrete shall be properly cleaned, etc.) See ASTM F2170 for details. It is recommended that a qualified, independent third party conduct the tests.
  - 5. Test result requirements:
    - a. ASTM F1869: maximum MVER of 5 lbs/1000 sq ft/24 hrs
    - b. ASTM F2170: relative internal humidity of 5% or less
    - c. **If concrete moisture conditions are outside the above limits, do not commence installation.** Please inquire about the use of Signature Sports Flooring's Underfloor Vapor Barrier.



C. Wood subfloors:

1. For wood subfloor systems, ensure the subfloor conforms to the guidelines of ASTM F1482 Guide to Wood Underlayment Products Available for Use Under Resilient Flooring. Requirements include
2. Double layer construction of a wood subfloor/underlayment assembly, with a minimum total thickness of 1". The base layer shall be plywood over joist on center. The second layer shall be plywood underlayment.
3. A minimum of 18" of cross-ventilated air space beneath all wood subfloors. Use a moisture barrier to insulate and protect the crawl space.
4. New wood subfloors should be CDX exterior plywood installed smooth side up.
5. All nails, staples or screw fasteners must be caulked and surface sealed with epoxy sealant.
6. Plywood should be acclimatized for a 48 hour period prior to installation of flooring tiles.
7. All wood subfloors must be clean, dry and free of all dust, dirt and previous floor finishes.
8. Patch cracks, holes and rough or uneven areas with an appropriate cement based leveling compound.
9. Do not install SignaDeck Premium over:
  - a. Existing resilient flooring including sheet or tile products (as telegraphing of the existing flooring through the surface of new resilient sheet vinyl is possible over time)
  - b. Surfaces containing any type of residual adhesive
  - c. Non-compatible substrates, such as asphalt, any bituminous or asphalt-saturated material, or floor coverings
  - d. On-grade or below-grade concrete that is subject to excessive moisture
  - e. Gypsum-based underlayments
  - f. Radiant-heated floors with surface temperatures over 75°F

**NOTE:** If removal of existing resilient flooring is required, strictly follow the Resilient Floor Covering Institute's paper on "Recommended Work Practices for Removal of Resilient Floor Coverings" available on [www.rfci.com](http://www.rfci.com). Also, be aware that existing floors and/or adhesives may contain asbestos. Various federal, state, and local government agencies regulate the removal of asbestos-containing material. Review and comply with all applicable regulations.

## SITE CONDITIONS

- A. The flooring shall be installed only after all other trades have finished, and a permanent HVAC system is operational. Temporary heat is not acceptable.
- B. During installation maintain the room temperature between 65°F and 75°F. Relative humidity must not exceed 5%. Excessively high or low interior air relative humidity will influence curing of floor patching materials and adhesive open times. These conditions must be maintained 24 hours per day for the duration of the installation and for a minimum of 48 hours after the installation is complete.
- C. Rubber tiles are susceptible to dimensional changes due to temperature and climate conditions. It is vital that the site conditions remain constant within the acceptable



working range.

- D. Maximize fresh air ventilation by using exhaust fans, at point of use, and by opening windows and doors as necessary. Face fans out of the area where flooring is being installed, not into the area.
- E. Because some materials used during installation may be flammable, make sure no sources of ignition or open flame exist near the use of those materials.

### **Layout**

- A. The flooring dealer or contractor shall provide a layout drawing for the intended installation that contains the following information
  1. Date and scale of drawing
  2. Location, swing, and clearance of all doors
  3. Existing substrate/subfloor conditions
  4. Notation identifying who is responsible for:
    - a. Removal of existing floor coverings and/or underlayments
    - b. Preparation of existing substrate
    - c. Removal of debris from new floor covering installation
    - d. Protection of finished floor covering after installation
    - e. Initial maintenance procedures
  5. Name of manufacturer, product style, and pattern to be installed
  6. Product quantities required
  7. Location and type of all edge moldings and base required
  8. The end user shall be provided a copy of the layout drawing for approval prior to installation.

## **INSTALLATION**

- A. 24 hours prior to installation, lay out the tiles on the subfloor under normal, occupied lighting conditions in the configuration required for installation. This step will ensure the tiles acclimate to the climate properly. Avoid having tiles that do not line up properly with the walls or with each other and rearrange them before they are glued down. This step will also assist the installer in identifying any shade variations within the tiles and allow the installer to move them to a less visible area. Shade variations are natural for a virgin rubber product and in no way compromise the quality of the tile.
- B. It is the installer's responsibility to inspect the dry laid installation and notify the appropriate authority of any imperfections or irregularities prior to final adhesive installation.
- C. Begin on the side opposite the room entrance. Fold the first row of tiles over onto the row adjacent to them.
- D. Spread the adhesive on an area equal to two or three tiles at a time.



- E. Apply the adhesive uniformly using the recommended trowel and application rate.
- F. Always adjoin factory edge to factory edge of SignaDeck Premium. Cut ends should adjoin walls or other vertical surfaces.
- G. Replace the tiles carefully in their original position to avoid getting air bubbles between the tiles and the floor. Massage the tiles using a pressing tool to get them to stick well to the floor and remove any air bubbles that may have formed.
- H. Make sure the tiles are lined up correctly and ensure that the seams are tight.
- I. Continue to spread adhesive and install tiles in each direction from the first row of tiles, and make any cuts required to fit up to and around walls and protrusions. SignaDeck Premium may be cut to fit irregular and fill-in spaces using a sharp utility knife. (Repeated passes should be used when cutting SignaDeck Premium to ensure a straight cut).
- J. Any adhesive that gets on the top of SignaDeck Premium should be immediately wiped clean with a soft rag soaked in a solvent cleaner.

**NOTE:** No traffic should be allowed on SignaDeck Premium for a 48-hour period after installation. Proceed with recommended maintenance.

#### **Clean Up and Final Finish**

- A. Dust mop or commercial vacuum to clear the area of debris and grit.
- B. Upon completion of the job, the end user shall sign a Job Completion Ticket.
- C. See maintenance instructions to learn how to maintain the product after installation.
- D. To ensure the long life and beautiful appearance of your SignaDeck Premium flooring:
  - 1. Do not use or drag furniture with sharp edges (for example, desks, shelving units, and cubicle assemblies). Furniture should be fitted with stainless steel or Teflon pads.
  - 2. Do not use soft chair caster wheels, including polyurethane wheels, on office chairs. Wheels must be hard polyamide or similar (wheel type H per EN 12529) so that they will roll easily, preventing unnecessary wear and tear on the flooring.
  - 3. Do not drag furniture across the floor. During a move-in day, floor protection should be used to prevent damage from movers, dropped furniture, or soiling from dirty moving equipment.
  - 4. Do not use certain materials (for example in rubber feet, rubber mat, shopping carts) if they will be in contact with the floor for a long time, as they can cause discoloration that cannot be removed.

**Questions? Please call Signature Sports Flooring at 800-705-1544 for assistance**